

ABSTRACT OF THE DISCLOSURE

Outflow of heat generated by a linear motor to the outside is suppressed. A linear motor according to the present invention is a linear motor used in a vacuum
5 atmosphere, including a stator, a movable element movable relative to the stator, and a metal film formed on the surface of at least one of the stator and the movable element. This decreases the emissivity and reduces the outflow of heat by radiation from the linear
10 motor.

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